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<!--StartFragment-->RESULT 2
US-10-360-522-54
; Sequence 54, Application US/10360522
; GENERAL INFORMATION:
; APPLICANT: Allefs, Josephus J.H.M.
; APPLICANT: Vossen v.d., Edwin A.G.
; TITLE OF INVENTION: NUCLEIC ACID ENCODING PRODUCT THAT PROVIDES PLANTS WITH
; TITLE OF INVENTION: FUNGAL RESISTANCE AND RELATED METHODS
; FILE REFERENCE: U 014413-9
; CURRENT APPLICATION NUMBER: US/10/360,522
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02075565.8
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: PCT/NL03/00091
; PRIOR FILING DATE: 2003-02-07
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 970
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: deduced
; OTHER INFORMATION: Rpi-blb protein sequence domainA, B and C
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)..(970)
US-10-360-522-54

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Query Match          99.8%; Score 5045; DB 33; Length 970;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 968; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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Qy      1 MAEAFIQVLLDNLTSLKGEVLVLLFGFQDEFQRLSSMFSTIQAVLEDAQEQLNNKPLEN 60
        |||
Db      1 MAEAFIQVLLDNLTSLKGEVLVLLFGFQDEFQRLSSMFSTIQAVLEDAQEQLNNKPLEN 60

Qy     61 WLQKLNAATYEVDLILDEYKTKATRFSSQSEYGRYHPKVIPFRHKVKGKRMQVMKKLKAIA 120
        |||
Db     61 WLQKLNAATYEVDLILDEYKTKATRFSSQSEYGRYHPKVIPFRHKVKGKRMQVMKKLKAIA 120

Qy    121 EERKNFHLHEKIVERQAVRRETGSVLTEPQVYGRDKEKDEIVKILINNVSDAQHLSVLPI 180
        |||
Db    121 EERKNFHLHEKIVERQAVRRETGSVLTEPQVYGRDKEKDEIVKILINNVSDAQHLSVLPI 180

Qy    181 LGMGGLGKTTLAQMVFNDRVTEHFHFSKIWICVSEDFDEKRLIKAIVESIEGRPLLGE 240
        |||
Db    181 LGMGGLGKTTLAQMVFNDRVTEHFHFSKIWICVSEDFDEKRLIKAIVESIEGRPLLGE 240

Qy    241 LAPLQKKLQELLNGKRYLLVLDDVWNEDQQKWANLRAVLKVGASGASVLTTRLEKVGSI 300
        |||
Db    241 LAPLQKKLQELLNGKRYLLVLDDVWNEDQQKWANLRAVLKVGASGASVLTTRLEKVGSI 300

Qy    301 MGTLPQPYELSNLSQEDCWLLFMQRAFGHQEEINPNLVAIGKEIVKSSGGVPLAAKTLGGI 360
        |||
Db    301 MGTLPQPYELSNLSQEDCWLLFMQRAFGHQEEINPNLVAIGKEIVKSSGGVPLAAKTLGGI 360

Qy    361 LCFKREERAWEHVRDPSPIWNLPQDESSILPALRLSYHLPLDLKQCFAYCAVFPKDAKMK 420
        |||
Db    361 LCFKREERAWEHVRDPSPIWNLPQDESSILPALRLSYHLPLDLKQCFAYCAVFPKDAKME 420

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Qy      421 KEKLISLWMAHGFLLSKGNMELEDVGDEVWKELYLRSFFQEIEVKDGKTYFKMHDLIHDL 480
        |||
Db      421 KEKLISLWMAHGFLLSKGNMELEDVGDEVWKELYLRSFFQEIEVKDGKTYFKMHDLIHDL 480

Qy      481 ATSLFSANTSSSNIREINKHSYTHMMSIGFAEVVFFYTLPPEKFISLRVLNLGDSTFNK 540
        |||
Db      481 ATSLFSANTSSSNIREINKHSYTHMMSIGFAEVVFFYTLPPEKFISLRVLNLGDSTFNK 540

Qy      541 LPSSIGDLVHLRYLNLYGSGMRS LPKQLCKLQNLQTLDLQYCTKLCCLPKETSKLGSLRN 600
        |||
Db      541 LPSSIGDLVHLRYLNLYGSGMRS LPKQLCKLQNLQTLDLQYCTKLCCLPKETSKLGSLRN 600

Qy      601 LLLDGSQSLTCMPPRIGSLTCLKTLGQFVVGRRKKGYQLGELGNNLYGSIKISHLERVKN 660
        |||
Db      601 LLLDGSQSLTCMPPRIGSLTCLKTLGQFVVGRRKKGYQLGELGNNLYGSIKISHLERVKN 660

Qy      661 DMDAKEANLSAKGNLHSLSMSWNNFGPHIYESEEVKVLEALKPHSNLTSLKIYGFRGIHL 720
        | |||
Db      661 DKDAKEANLSAKGNLHSLSMSWNNFGPHIYESEEVKVLEALKPHSNLTSLKIYGFRGIHL 720

Qy      721 PEWMNHSVLKNIVSILISNFRNCSCLPFGDLPCLESLELHWGSADVEYVEEVDIDVHSG 780
        |||
Db      721 PEWMNHSVLKNIVSILISNFRNCSCLPFGDLPCLESLELHWGSADVEYVEEVDIDVHSG 780

Qy      781 FPTRIRFPSLRKLDIWDFGSLKGLLKKEGEEQFPVLEEMI IHECPFTLSSNLRALTSR 840
        |||
Db      781 FPTRIRFPSLRKLDIWDFGSLKGLLKKEGEEQFPVLEEMI IHECPFTLSSNLRALTSR 840

Qy      841 ICYNKVATSFPEEMFKNLANLKYLTISRCNNLKELPTSLASLNALKSLKIQLCCALES LP 900
        |||
Db      841 ICYNKVATSFPEEMFKNLANLKYLTISRCNNLKELPTSLASLNALKSLKIQLCCALES LP 900

Qy      901 EEGLEGLSSLTELFVEHCNMLKCLPEGLQHLLTTLTSLKIRGCPQLIKRCEKGIGEDWHKI 960
        |||
Db      901 EEGLEGLSSLTELFVEHCNMLKCLPEGLQHLLTTLTSLKIRGCPQLIKRCEKGIGEDWHKI 960

Qy      961 SHIPNVNIYI 970
        |||
Db      961 SHIPNVNIYI 970
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